

IN THE CLAIMS

--Claim 1 (Cancelled).

Claim 2 (Currently Amended). An alloy according to claim + 12 containing comprising in weight %:

a content of 0.08 to 0.11 % C₁

a content of 0.15 to 0.25 % Cr₁

a content of 0.10 to 0.20 % Mn₁

a content of 0.10 to 0.15 % Si₁

a content of 0.5 to 0.7 % Mo₁

a content of 0.05 to 0.09 % Nb₁

max a maximum content of 0.1 Co₁

a content of 36.0 to 36.5 % Ni, balance iron and inevitable impurities the remainder being iron and impurities resulting from the production process, whereby wherein the alloy has a thermal expansion coefficient of less than $< 2.0 \times 10^{-6}$ /K within the in a temperature range from of 20 to 100 °C.

Claim 3 (Currently Amended). An alloy according to claim + 12, further containing (in % by weight) comprising in weight %:

max a maximum content of 0.002 % S₁

max a maximum content of 0.01 % Ti₁

max a maximum content of 0.2 % Cu₁

~~max a maximum content of 0.010 % P₂~~

~~max a maximum content of 0.01 % Al₂~~

~~max a maximum content of 0.003 %Mg₂~~

Claim 4 (Currently Amended). ~~Ally An alloy~~ according to claim 2, ~~whereby~~
~~wherein~~ the alloy has a thermal expansion coefficient ~~< of less than~~ $1.6 \times 10^{-6}/K$ ~~within in~~
the temperature range ~~from of~~ 20 to 100 °C.

Claim 5 (Currently Amended). Shadow masks of screens and monitors
made of the iron-nickel alloy of claim + 12.

Claim 6 (Currently Amended). Frame parts, ~~in particular vertical frame~~
~~parts~~, of shadow masks made of the iron-nickel alloy of claim + 12.

Claim 7 (Currently Amended). Passive components of thermal bi-metals
made of the iron-nickel alloy of claim + 12.

Claim 8 (Currently Amended). Components for the production, storage and
transportation of liquefied gas made of the iron-nickel alloy of claim + 12.

Claim 9 (Currently Amended). Components in the laser technology made of
the iron-nickel alloy of claim + 12.

Claim 10 (Currently Amended). Lead frames made of the iron-nickel alloy of claim 4 12.

Claim 11 (Currently Amended). Components for electron guns, ~~in particular for television tubes~~, made of the iron-nickel alloy of claim 4 12.

Claim 12 (New). A creep-resistant with low thermal expansion iron-nickel alloy comprising in weight %:

a content of 0.008 to 0.12 % C;

a content of 0.05 to 0.30 % Mn;

a content of 0.05 to 0.30 % Si;

a content of 0.2 to 0.9 % Mo;

a content of 0.1 to 0.3 % Cr;

a content of 0.03 to 0.15 % Nb;

a maximum content of 0.5 % Co; and

a content of 36.0 to 36.5 % Ni, balance iron and inevitable impurities,

wherein said iron-nickel alloy has a coefficient of thermal expansion less than $2.0 \times 10^{-6}/K$ in a temperature range of 20 to 100 °C.

Claim 13 (New). The frame parts of claim 6 further comprising vertical frame parts.

Claim 14 (New). The components of claim 11, wherein said components
comprise television tubes.--